

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A method for treating a ~~non-virally induced pre-cancerous~~ keratosis lesion of the skin of a patient, said method comprising topically administering to the keratosis lesion a pharmaceutically effective amount of a ~~polyphenol to said patient.~~ polyphenol composition comprising (i) a mixture of polyphenols and (ii) a carrier, wherein the composition comprises from about 5% (w/w) to about 20% (w/w) of the mixture of polyphenols, wherein the mixture of polyphenols contains epicatechol, epicatechol gallate, epigallocatechol, epigallocatechol gallate, and gallocatechol gallate.

2-5. (Cancelled)

6. (Previously presented) The method according to claim 1, wherein the patient is a human.

7. (Cancelled)

8. (Currently amended) The method according to claim 1, wherein the ~~polyphenol~~ mixture of polyphenols is isolated from tea.

9. (Currently amended) The method according to claim 1, wherein the ~~polyphenol~~ mixture of polyphenols is extracted from a tea.

10. (Previously presented) The method according to claim 9, wherein the tea is a green tea.

11. (Currently amended) The method according to claim 1, wherein the ~~polyphenol~~ mixture of polyphenols is isolated from a tea extract.

12-19. (Cancelled)

20. (Currently amended) The method according to claim 19 1, wherein the catechols are selected from the group consisting of mixture of polyphenols contains (-)-epicatechol, (-)-epicatechol gallate, (-)-epigallocatechol, (-)-epigallocatechol gallate, ~~(+)-gallocatechol~~ and (-)-gallocatechol gallate.

21. (Currently amended) The method according to claim 19 1, wherein the catechols are selected from the group consisting of mixture of polyphenols contains about 2-20% (w/w) epicatechol, about 2-20% (w/w) epicatechol gallate, about 1-25% (w/w) epigallocatechol, about 40-75% (w/w) epigallocatechol gallate, ~~about 0.05-5% (w/w) gallocatechol~~ and about 0.5-20% (w/w) gallocatechol gallate.

22. (Cancelled)

23. (Currently amended) The method according to claim 19 37, wherein the mixture of polyphenols contains about 10.8% (w/w) of (-)-epicatechol, about 6.5% (w/w) of (-)-epicatechol gallate, about 9.2% (w/w) of (-)-epigallocatechol, about 54.8% (w/w) of (-)-epigallocatechol gallate and about 4.0% (w/w) of (-)-gallocatechol gallate.

24-26. (Cancelled)

27. (Currently amended) The method according to claim 1, wherein the ~~polyphenol~~ mixture of polyphenols is combined with an additive.

28. (Previously presented) The method according to claim 27, wherein the additive is selected from the group consisting of petroleum jelly, wax, oleyl alcohol,

propylene glycol monostearate, propylene glycol monopalmitostearate and isopropyl myristate.

29. (Cancelled)

30. (Currently amended) The method according to claim 1, wherein the ~~polyphenol~~ mixture of polyphenols is contained in a carrier selected from the group consisting of an emulsion, a gel, a cream and an ointment.

31. (Previously presented) The method according to claim 1, wherein the method for treating said lesions is combined with a different anticancer treatment.

32. (Previously presented) The method according to claim 31, wherein the different anticancer treatment is selected from the group consisting of surgery, electrodesiccation, curettage, excision, Mohs micrographic surgery, radiation, proton therapy, chemotherapy, photodynamic therapy, cryosurgery, laser, immunotherapy, vaccine therapy and biologic therapy.

33. (Withdrawn) The method according to claim 32, wherein the chemotherapy is carried out with an agent selected from the group consisting of podophyllin, 5-fluorouracil, bleomycin, interferon, imiquimod, and mixtures thereof.

34. (Withdrawn) The method according to claim 32, wherein the radiation is selected from the group consisting of X-ray radiation and γ -radiation.

35. (Currently amended) The method according to claim 1, wherein the keratosis lesion of the skin is selected from the group consisting of actinic keratosis, solar keratosis, ~~Bowen's disease, acanthoma, cutaneous horn,~~ hyperkeratosis, ~~keratosis,~~

~~molluscum contagiosum, xanthelasma, xanthoma, fibroma, verruca senilis, and~~
~~seborrheic keratosis, papillomatosis, radiodermatitis, sailor's skin, and erythroplasia~~
~~queyrat.~~

36. (Previously presented) The method according to claim 35, wherein the lesion of the skin is actinic keratosis.

37. (New) The method according to claim 20, wherein the mixture of polyphenols contains about 2-20% (w/w) (-)-epicatechol, about 2-20% (w/w) (-)-epicatechol gallate, about 1-25% (w/w) (-)-epigallocatechol, about 40-75% (w/w) (-)-epigallocatechol gallate, and about 0.5-20% (w/w) (-)-gallocatechol gallate.

38. (New) The method according to claim 1, wherein the composition comprises about 15% (w/w) mixture of polyphenols.

39. (New) A method for treating an actinic keratosis of the skin of a human, said method comprising topically administering to the actinic keratosis lesion a pharmaceutically effective amount of a polyphenol composition comprising (i) a mixture of polyphenols and (ii) a carrier, wherein the composition comprises about 15% (w/w) mixture of polyphenols, wherein the mixture of polyphenols contains about 10.8% (w/w) of (-)-epicatechol, about 6.5% (w/w) of (-)-epicatechol gallate, about 9.2% (w/w) of (-)-epigallocatechol, about 54.8% (w/w) of (-)-epigallocatechol gallate and about 4.0% (w/w) of (-)-gallocatechol gallate.